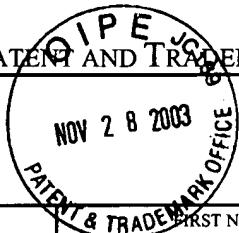




UNITED STATES PATENT AND TRADEMARK OFFICE



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UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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2682  
\*s I  
20503

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/556,565	04/24/2000	Timothy M. Moore	204849	7167

7590 10/01/2003

WINTON HSU  
5F, NO.389, FU-HO RD., YUNGHO CITY  
TAIPEI HSIEN,  
TAIWAN

EXAMINER

MILORD, MARCEAU

ART UNIT PAPER NUMBER

2682

DATE MAILED 01/01/2003

941722



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Please find below and/or attached an Office communication concerning this application or proceeding.

\* This is not our case!

**Office Action Summary**



Application No.

09/556,565

Applicant(s)

MOORE ET AL

Examiner

Marceau Milord

Art Unit

2682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 33).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

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1) ☒ Responsive to communication(s) filed on 24 April 2000.

2a) ☐ This action is **FINAL**.

2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) ☒ Claim(s) 2-19 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.

6) ☒ Claim(s) 2-19 is/are rejected.

7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.

8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) ☒ The proposed drawing correction filed on 24 April 2000 is: a) ☐ approved b) ☒ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some \* c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.

4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other:

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DETAILED ACTION

Double Patenting

1. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 2, 8, 14 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 9 of copending Application No. 09302735. Although the conflicting claims are not identical, they are not patentably distinct from each other because the adding of the features of a connection-specific driver layer receives

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the device control commands and data encapsulated in the connection-independent format, translates the device control commands and data encapsulated in the connection independent format into connection-specific device control commands and data, and transmits the connection-specific device control commands and data to the wireless device is not non-obvious over the claims of copending Application 09302735 and therefore is not patentably distinct from each other.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

#### Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 2-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mahany et al (US Patent No 5949776) in view of Nevo et al (US Patent No 66600726 B1).

Regarding claims 2-7, Mahany et al discloses a method of creating a device driver for a wireless device (20 of fig. 1 a or 35 of fig. 1b or 61, 62, 64 of fig. 1c), the method comprising the steps of: abstracting device control commands and data into a device-independent format; establishing (23 of fig. 1a and 43 of fig. 1b) a connection-independent driver layer, wherein the connection-independent driver layer receives the device control commands and data and encapsulates the device control commands and data into a connection-independent format (col. 5, lines 12-45; col. 9, line 46- col. 10, line 41); establishing (22, 44 of figs. 1a-b) an intermediate driver layer, wherein the intermediate driver layer receives the device control commands and data encapsulated in the connection-independent format and passes the device control commands and data encapsulated in the connection-independent format to a connection-specific driver layer (col. 5, line 47- col. 6, line 15; col. 11, line 59- col. 12, line 51); and establishing (3955 of fig. 44) the connection-specific driver layer, wherein the connection-specific driver layer receives the device control commands and data encapsulated in the connection-independent format (figs. 42-44; col. 43, line 25- col. 44, line 29; col. 59, line 55- col. 60, line 51).

However, Mahany et al does not specifically disclose the steps of translating the device control commands and data encapsulated in the connection independent format into connection-specific device control commands and data, and transmitting the connection-specific device control commands and data to the wireless device.

On the other hand, Nevo et al, from the same field of endeavor, discloses in figure 1, a wireless device 100 which is provided with wireless transceivers 102a and 102b to transmit and receive signals wirelessly in accordance with a first and a second wireless communication protocol, to enable device 100 to be communicatively coupled to devices 104a and devices 104b

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of wireless networks 108a and 108b respectively. Furthermore, wireless device 100, includes controller manager to control the operation of wireless transceivers respectively (col. 3, lines 28-67; col. 7, line 14- col. 8, line 4; col. 10, lines 30-65). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Nevo to the communication system of Mahany in order to provide a device that can be operated concurrently in multiple wireless protocols.

Regarding claims 8-13, Mahany discloses a method of communicating with a wireless device (20 of fig. 1 a or 35 of fig. 1b or 61, 62, 64 of fig. 1c), the method comprising the steps of: abstracting device control commands and data into a device-independent format; encapsulating the device control commands and data in the device-independent format into a connection-independent format (figs. 42-44; col. 43, line 25- col. 44, line 29; col. 59, line 55- col. 60, line 51).

However, Mahany et al does not specifically disclose the steps of translating the device control commands and data encapsulated in the connection independent format into connection-specific device control commands and data, and transmitting the connection-specific device control commands and data to the wireless device.

On the other hand, Nevo et al, from the same field of endeavor, discloses in figure 1, a wireless device 100 which is provided with wireless transceivers 102a and 102b to transmit and receive signals wirelessly in accordance with a first and a second wireless communication protocol, to enable device 100 to be communicatively coupled to devices 104a and devices 104b of wireless networks 108a and 108b respectively. Furthermore, wireless device 100, includes controller manager to control the operation of wireless transceivers respectively (col. 3, lines 28-

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67; col. 7, line 14- col. 8, line 4; col. 10, lines 30-65). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Nevo to the communication system of Mahany in order to provide a device that can be operated concurrently in multiple wireless protocols.

Regarding claims 14-19, Mahany et al discloses a computer program product for creating a device driver for a wireless device, the computer program product comprising:  
a computer-readable medium carrying computer-executable instructions for abstracting device control commands and data into a device-independent format (col. 20, lines 36-59; col. 49, line 37- col. 50, line 48); establishing (23 of fig. 1a and 43 of fig. 1b) a connection-independent driver layer, wherein the connection-independent driver layer receives the device control commands and data and encapsulates the device control commands and data into a connection-independent format; establishing an intermediate driver layer, wherein the intermediate driver layer receives the device control commands and data encapsulated in the connection-independent format and passes the device control commands and data encapsulated in the connection-independent format to a connection-specific driver layer (col. 5, lines 12-45; col. 9, line 46- col. 10, line 41; col. 19, lines 15-59); and establishing (3955 of fig. 44) the connection-specific driver layer, wherein the connection-specific driver layer receives the device control commands and data encapsulated in the connection-independent format (figs. 42-44; col. 43, line 25- col. 44, line 29; col. 59, line 55- col. 60, line 51).

However, Mahany et al does not specifically disclose the steps of translating the device control commands and data encapsulated in the connection independent format into connection-

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specific device control commands and data, and transmitting the connection-specific device control commands and data to the wireless device.

On the other hand, Nevo et al, from the same field of endeavor, discloses in figure 1, a wireless device 100 which is provided with wireless transceivers 102a and 102b to transmit and receive signals wirelessly in accordance with a first and a second wireless communication protocol, to enable device 100 to be communicatively coupled to devices 104a and devices 104b of wireless networks 108a and 108b respectively. Furthermore, wireless device 100, includes controller manager to control the operation of wireless transceivers respectively (col. 3, lines 28-67; col. 7, line 14- col. 8, line 4; col. 10, lines 30-65). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Nevo to the communication system of Mahany in order to provide a device that can be operated concurrently in multiple wireless protocols.

LaPorta et al US Patent No 5918158 discloses a two-way wireless messaging system including a messaging network and a two-way wireless messaging device which receives and replies to messages having dynamic message components to and from the messaging network.

Mizutani et al US Patent No 6603744 B2 discloses a wireless hub, connected to the USB bus of a computer, and a wireless port, connected to a USB interface of a peripheral device.

Guedalia US Patent No 6480711 B1 discloses a method and system for wireless data communication, including the steps of receiving an input request, filtering data from at least one database to produce filtered data in response to the input request.

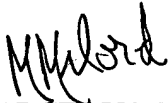


Art Unit: 2682

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marceau Milord whose telephone number is 703-306-3023. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian C. Chin can be reached on 703-308-6739. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



MARCEAU MILORD

Marceau Milord

Examiner

Art Unit 2682



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NOTICE OF DRAFTSPERSON'S DEC 03 2003

PATENT DRAWING REVIEW

Technology Center 2600

The drawing(s) filed (insert date) 12/2/03 are:

A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.

B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

- |   |   |
|---|---|
| <p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:<br/>Black ink. Color.<br/>Color drawings are not acceptable until petition is granted.<br/>Fig(s) _____<br/>Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b)<br/>1. full tone set is required. Fig(s) _____<br/>Photographs may not be mounted. 37 CFR 1.84(e)<br/>Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(c)<br/>Paper not flexible, strong, white, and durable.<br/>Fig(s) _____<br/>Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____<br/>Mylar, velum paper is not acceptable (too thin).<br/>Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:<br/>21.0 cm by 29.7 cm (DIN size A4)<br/>21.6 cm by 27.9 cm (8 1/2 x 11 inches)<br/>All drawing sheets not the same size.<br/>Sheet(s) _____<br/>Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins:<br/>Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm<br/>SIZE: A4 Size<br/>Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm<br/>SIZE: 8 1/2 x 11<br/>Margins not acceptable. Fig(s) _____<br/>Top (T) _____ Left (L) _____<br/>Right (R) _____ Bottom (B) _____</p> <p>6. VIEWS. 37 CFR 1.84(h)<br/>REMEMBER: Specification may require revision to correspond to drawing changes.<br/>Partial views. 37 CFR 1.84(h)(2)<br/>Brackets needed to show figure as one entity.<br/>Fig(s) _____<br/>Views not labeled separately or properly.<br/>Fig(s) _____<br/>Enlarged view not labeled separately or properly.<br/>Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)<br/>Hatching not indicated for sectional portions of an object.<br/>Fig(s) _____<br/>Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p> | <p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)<br/>Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)<br/>Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.<br/>Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, &amp; LETTERS. 37 CFR 1.84(l)<br/>Lines, numbers &amp; letters not uniformly thick and well defined, clean, durable, and black (poor line quality).<br/>Fig(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m)<br/>Solid black areas pale. Fig(s) _____<br/>Solid black shading not permitted. Fig(s) _____<br/>Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, &amp; REFERENCE CHARACTERS. 37 CFR 1.84(p)<br/>Numbers and reference characters not plain and legible.<br/>Fig(s) _____<br/>Figure legends are poor. Fig(s) _____<br/>Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)<br/>Fig(s) _____<br/>English alphabet not used. 37 CFR 1.84(p)(2)<br/>Fig(s) _____<br/>Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)<br/>Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q)<br/>Lead lines cross each other. Fig(s) _____<br/>Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)<br/>Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)<br/>Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w)<br/>Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152<br/>Surface shading shown not appropriate. Fig(s) _____<br/>Solid black shading not used for color contrast.<br/>Fig(s) _____</p> |
|---|---|

COMMENTS

REVIEWER A.D. DATE 5/15/03 TELEPHONE NO. \_\_\_\_\_

ATTACHMENT TO PAPER NO. 9



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Attachment for PTO-948 (Rev. 03/01, or earlier)

DEC 03 2003

6/18/01

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The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

## INFORMATION ON HOW TO EFFECT DRAWING CHANGES

### 1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may **NOT** be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

### 2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

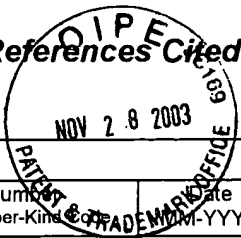
All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

### Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.

# Notice of References Cited



Application/Control No.

09/556,565

Applicant(s)/Patent Under  
Reexamination  
MOORE ET AL

Examiner

Marceau Milord

Art Unit

2682

Page 1 of 1

## U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,566,331	10-1996	Irwin et al.	707/10
	B	US-6,480,505 B1	11-2002	Johansson et al.	370/449
	C	US-5,497,412	03-1996	Lannen et al.	455/432.2
	D	US-5,765,155	06-1998	Nakamura, Kengo	707/10
	E	US-5,875,478	02-1999	Blumenau, Steven M.	711/162
	F	US-5,949,776	09-1999	Mahany et al.	370/338
	G	US-6,600,726 B1	07-2003	Nevo et al.	370/278
	H	US-6,480,711 B1	11-2002	Guedalia, Jacob Leon	455/412.1
	I	US-6,603,744 B2	08-2003	Mizutani et al.	370/310
	J	US-5,918,158	06-1999	LaPorta et al.	340/7.29
	K	US-			
	L	US-			
	M	US-			

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## FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

## NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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MAY 03 2001

Substitute for form 1449A/B/PTO

Complete if Known

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

NOV 28 2003

(Use as many sheets as necessary)

Sheet

1

of

2

Application Number 09/556,565  
Filing Date April 24, 2000  
First Named Inventor MOORE  
Group Art Unit 2755  
Examiner Name  
Attorney Docket Number 204849

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## U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			

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## FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**

## OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
	AA	Specification of the Bluetooth System, v.1.0B, Dec. 1, 1999.		
	AB	Riku METTALA et al., Bluetooth Protocol Architecture (White Paper), v1.0, Nokia Mobile Phones, Sept. 29, 1999.		
	AC	Brent MILLER et al., Mapping Salutation Architecture APIs to Bluetooth Service Discovery Layer (White Paper), v. 1.0, IBM Corporation, July 1, 1999.		
	AD	IEEE Standard, 802.11, Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications, 1 <sup>st</sup> Ed. 1999, and Supplements 802.11a-1999 and 802.11b-1999.		
	AE	Bob O'HARA and Al PETRICK, IEEE 802.11 Handbook A Designer's Companion, Dec. 1999.		

Examiner Signature

*[Signature]*

Date Considered

4-20-03

\* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

Stamp: OIPE MAY 03 2001 JC33  
PATENT & TRADEMARK OFFICE

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	09/556,565
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Filing Date	April 24, 2000
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First Named Inventor	MOORE
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Group Art Unit	2755
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Examiner Name

Attorney Docket Number	204849
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Sheet

2

of

2

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner  
Initials

Doc.  
No.

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.

## Translation

Yes	No**
-----	------

AF

Pat MEGOWAN et al., IrDA Object Exchange Protocol, v1.2, Counterpoint Systems Foundry, Inc. Microsoft Corporation, March 18, 1999.

AG

Universal Plug and Play Device Architecture, v1.0, Microsoft Corporation, June 8, 2000.

AH

Golden G. RICHARD III, "Service Advertisement and Discovery: Enabling Universal Device Cooperation," <http://computer.org/internet/>, September-October 2000.

Al

ETSI TS 101 369 v7.1.0 (1999-11), Digital Cellular Telecommunications System (Phase 2+); Terminal Equipment to Mobile Station (TE-MS) Multiplexer Protocol, Global System for Mobile Communications (GSM 07.10 v7.1.0 Release 1998).

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JUN 07 2001  
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~~Examiner~~  
Signature

~~Date~~  
Considered

\* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).